

## AMENDMENTS TO CLAIMS

- This listing of Claims shall replace all prior versions, and listings, of Claims in the application:

1. (Currently Amended) An apparatus ~~for vapor depositing a uniform thickness thin film of a lubricant on at least one surface of a disk-shaped substrate,~~ comprising,

(a) ~~a chamber having an interior space;~~

(b) ~~a substrate loader/unloader for supplying said interior space with at least one disk-shaped substrate and for withdrawing at least one disk-shaped substrate from said interior space, said disk-shaped substrate comprising a magnetic or magneto-optical data/information storage and retrieval medium;~~

(c) ~~at least one an elongated lubricant vapor source for supplying said interior space with a stream of lubricant vapor, the at least one elongated lubricant vapor source comprising a closed heated chamber fluidly communicating with at least a plurality of primary plugs having an interior for supplying a stream of lubricant vapor, wherein each of said the plurality of primary plugs comprises a drilled hole and two openings, said drilled hole substantially extending the length of the interior of each primary plug for transporting the stream of lubricant vapor; and~~

(d) ~~a substrate transporter/conveyer for continuously moving at least one disk-shaped substrate past said stream of lubricant vapor from at least one lubricant vapor source for depositing on at least one surface thereof a uniform thickness thin film of lubricant;~~

~~wherein said the lubricant vapor source (c) comprises a plurality of threaded holes, positioned in a direction parallel to said drilled hole, into which the plurality of primary plugs are screwed therein.~~

2. (Currently Amended) The apparatus according to claim 1, further comprising a chamber having an interior space wherein ~~said chamber (a) the chamber~~ is adapted for maintaining ~~said the~~ interior space at a pressure below atmospheric pressure.

3. (Currently Amended) The apparatus according to claim 1, further comprising a substrate loader/unloader wherein ~~said substrate loader/unloader~~ (b) the substrate loader/unloader is adapted for providing cooling/condensation of ~~said the~~ the lubricant vapor for preventing escape of ~~said the~~ the lubricant vapor from ~~said an~~ an interior space of ~~said a~~ a chamber.

4. (Currently Amended) The apparatus according to ~~claim + claim 3~~, wherein ~~said substrate loader/unloader~~ (b) the substrate loader/unloader is adapted for supplying and withdrawing at least one disc-shaped substrate having a pair of opposed surfaces and ~~said substrate transporter/conveyor~~ (d) the substrate loader/unloader is adapted for mounting or gripping at least one disc-shaped substrate.

5. (Currently Amended) The apparatus according to claim 4, wherein ~~said at least one lubricant vapor source~~ (e) is elongated, with the elongated lubricant vapor source has a length greater than an outer diameter of ~~said the~~ the disc-shaped substrate.

6. (Currently Amended) The apparatus according to ~~claim 5 claim 1~~, wherein ~~said elongated lubricant vapor source~~ (e) the elongated lubricant vapor source comprises a closed heated chamber for accommodating liquid lubricant therein and serving as a lubricant vaporizer, ~~said the~~ the closed heated chamber fluidly communicating with at least ~~a~~ the plurality of primary plugs for supplying ~~said a~~ a stream of lubricant vapor.

7. (Currently Amended) The apparatus according to claim 6, wherein ~~said elongated vapor source~~ (e) the elongated lubricant vapor source further comprises a plurality of secondary plugs for increased collimation of ~~said the~~ the stream of lubricant vapor.

8. (Currently Amended) The apparatus according to claim 6, further comprising a spaced-apart plurality of ~~said elongated lubricant vapor sources~~ (e) the elongated lubricant vapor sources arranged along a path of transport/conveyance of ~~said at least one a~~ a disc-shaped substrate within ~~said interior space of said the closed heated chamber~~.

Claims 9-12 (Canceled)

13. (Currently Amended) The apparatus according to ~~claim 8~~, claim 1 further comprising: ~~wherein said chamber (a) a closed heated chamber fluidly communicating with at least the plurality of primary plugs, wherein the closed heated chamber is cylindrically-shaped with circularly-shaped upper and lower ends; said ends,~~  
a substrate loader/unloader (b) comprises comprising at least one combined substrate load/unload station on one of ~~said the~~ upper and lower ends; and  
said wherein the spaced apart plurality of lubricant vapor sources (e) source further comprises a first plurality of radially extending, elongated lubricant vapor sources for depositing a thin film of lubricant on ~~a first one of said pair of opposed surfaces of said a first surface of a disc-shaped substrate; and said~~  
a substrate transporter/conveyor (d) that is adapted to move said at least one the disc-shaped substrate in a circular path past each of said first plurality of radially extending, elongated lubricant vapor sources; the primary plugs.

14. (Currently Amended) The apparatus according to claim 13, wherein ~~said spaced apart the first plurality of radially extending, elongated~~ lubricant vapor sources ~~(e) further~~ comprises a second plurality of radially extending, elongated lubricant vapor sources for depositing a thin film of lubricant on ~~a second one of said pair of opposed surfaces of said surface of the disc-shaped substrate.~~

15. (Currently Amended) The apparatus according to ~~claim 8~~, claim 1 further comprising: ~~wherein said chamber (a) is an elongated, rectangular box-shaped chamber having a pair of longitudinally extending front and rear walls; walls,~~  
said a substrate loader/unloader (b) comprises comprising a substrate load lock chamber connected to ~~said the elongated, rectangular box-shaped~~ chamber at a first end of ~~said the front wall and a substrate exit lock chamber connected to said the elongated, rectangular box-shaped chamber at a second end of said the front wall; wall,~~

~~each of said spaced apart plurality of elongated wherein the lubricant vapor sources (e) extends source further comprises a plurality of transversely extending, elongated lubricant vapor sources that extend transversely across said the front wall in the a space between said the load lock chamber and said the exit chambers; lock chamber, and~~

~~said a substrate transporter/conveyor (d) that is adapted to move said at least one a disc-shaped substrate in a linear path past each of the transversely extending, elongated lubricant vapor sources.~~

16. (Withdrawn) A method of vapor depositing a uniform thickness thin film of lubricant on at least one surface of a disk-shaped substrate, comprising the steps of:

(a) providing an apparatus comprising:

(i) a chamber having an interior space maintained below atmospheric pressure;

(ii) a substrate loader/unloader for supplying said interior space with at least one disk-shaped substrate and for withdrawing at least one disk-shaped substrate from said interior space, said disk-shaped substrate comprising a magnetic or magneto optical data/information storage and retrieval medium;

(iii) at least one lubricant vapor source for supplying said interior space with a stream of lubricant vapor, said vapor source comprising a closed heated chamber fluidly communicating with at least a plurality of primary plugs for supplying a stream of lubricant vapor; and

(iv) a substrate transporter/conveyor for continuously moving at least one substrate past said stream of vapor from said at least one lubricant vapor source;

(b) supplying said interior space with a substrate having at least one surface;

(c) continuously moving said substrate past said stream of lubricant vapor and depositing a uniform thickness thin film of said lubricant on said at least one surface; and

(d) withdrawing the lubricant-coated disk-shaped substrate from said interior space.

17. (Withdrawn) The method as in claim 16, wherein:

step (b) comprises supplying a disc-shaped substrate having a pair of opposed surfaces.

18. (Withdrawn) The method as in claim 17, wherein:

step (b) comprises supplying a disc-shaped substrate having a laminate of layers for a magnetic or magneto-optical (MO) data/information storage and retrieval medium formed on at least one of said pair of opposed surfaces.

19. (Withdrawn) The method as in claim 18, wherein:

step (c) comprises vapor depositing a thin film of a polymeric fluorine-containing lubricant on said laminate of layers on at least one of said pair of opposed surfaces.

20. (Withdrawn) The method as in claim 17, wherein:

step (a)(iii) comprises providing an apparatus with at least one elongated lubricant vapor source having a length greater than an outer diameter of said disc-shaped substrate, said at least one elongated lubricant vapor source comprising a closed heated chamber for accommodating liquid lubricant therein and serving as a lubricant vaporizer, said closed heated chamber fluidly communicating with a plurality of primary plugs for supplying said stream of lubricant vapor.

21. (Withdrawn) The method as in claim 20, wherein:

step (a) comprises providing an apparatus wherein said chamber (i) is in the form of a cylinder with circularly-shaped upper and lower ends; said substrate loader/unloader (ii) comprises at least one combined substrate load/unload station on one of said upper and lower ends; said at least one elongated lubricant vapor source (iii) comprises a first plurality of spaced-apart, radially extending, elongated lubricant vapor sources for depositing a thin film of lubricant on a first one of said pair of opposed surfaces of said disc-shaped substrate; and said substrate transporter/conveyor (iv) is adapted to move said at least one disc-shaped substrate in a circular path past each of said first plurality of spaced-apart, radially extending, elongated lubricant vapor sources.

22. (Withdrawn) The method as in claim 21, wherein said at least one elongated lubricant vapor source (iii) further comprises a second plurality of spaced-apart, radially extending,

elongated lubricant vapor sources for depositing a thin film of lubricant on a second one of said pair of opposed surfaces of said disc-shaped substrate.

23. (Withdrawn) The method as in claim 20, wherein step (a) comprises providing an apparatus wherein said chamber (i) is in the form of an elongated, rectangularly-shaped box having a pair of longitudinally extending front and rear walls; said substrate loader/unloader (ii) comprises a substrate load lock chamber connected to said chamber at a first end of said front wall and a substrate exit lock chamber connected to said chamber at a second end of said front wall; said at least one elongated lubricant vapor source (iii) comprises a plurality of spaced-apart, elongated lubricant vapor sources transversely extending across said front wall in the space between said load lock and said exit chambers; and said substrate transporter/conveyor (iv) is adapted to move said at least one disc-shaped substrate in a linear path past each of the plurality of spaced-apart, transversely extending, elongated lubricant vapor sources.

Claims 24-27 (Canceled)

28. (Previously Presented) The apparatus according to claim 1, wherein the plurality of primary plugs form a pattern in the form of a linear array, a diagonal array, or a rectangular array.

29. (Currently Amended) The apparatus according to claim 1, wherein the plurality of primary plugs positioned at the outer edges of ~~at least one elongated the~~ lubricant vapor source have a smaller diameter drilled hole than the plurality of primary plugs positioned adjacent to the middle of ~~at least one elongated the~~ lubricant vapor source.